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Tobid Pieper

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GLENN PATENT GROUP  
3475 EDISON WAY, SUITE L  
MENLO PARK, CA 94025

EXAMINER

HOSSAIN, TANIM M

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/693,085	<b>Applicant(s)</b> PIEPER ET AL.	
	<b>Examiner</b> Tanim Hossain	<b>Art Unit</b> 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 October 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over McDonough (U.S. 5,991,878) in view of Rao (U.S. 6,078,929).

As per claim 1, McDonough teaches a method for setup of a digital object storage and delivery system comprising a shared database, a back-end server coupled to the database, and a web server coupled to the database, the method comprising operations of: including a number of machine readable digital objects (column 5, lines 40-46); configuring the database to include web server access codes corresponding to various users and a mapping of which users are authorized to access which of the stored digital objects (column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, lines 39-57); programming the web server to perform operations including presenting at least one Internet web page providing instructions for users seeking access to digital objects in the library, authenticating users browsing the web page according to their corresponding web server access codes, generating a temporary access code for each authenticated user, and redirecting each authenticated user to receive the requested data (column 3, line 39 - column 4, line 64; column 5 lines 40-46); and programming the server to perform

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operations comprising authenticating said redirected users by utilizing the temporary access codes, upon successful authentication, making digital objects available to the users as authorized by the mapping (column 5, lines 40-46). McDonough does not specifically teach the use of an FTP server (but rather uses a general back-end server to distribute data), and though implied, does not per se disclose the use of a file library. Rao teaches the use of an FTP server (paragraph 1 of the "Description of Related Art"), and the specific disclosure of a file library populated with digital objects (paragraph 1 of the "Summary of the Invention"). It would have been obvious to one of ordinary skill in the art to include the use of an FTP server function and the specific disclosure of a file library, as taught by Rao in the system of McDonough, because the functioning of FTP servers and back-end servers are largely similar. For example, if the client requires the download of larger files, an FTP server would be appropriate for this task. Such an inclusion constitutes a design choice and would have been envisioned by one of ordinary skill in the art. Further, the use of a file library is necessary for files to be distributed to users, which therefore renders the explicit disclosure of an implied file library obvious as well. Both inventions are from the same field of endeavor, namely an efficient client-server information retrieval system.

As per claim 2, McDonough-Rao further teaches the method of claim 1, where: the operation of programming the web server further comprises programming the web server to transmit each said generated temporary FTP code to its user and to the database for storage in association with that user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the operation of programming the FTP server is conducted such that the FTP server is programmed to perform

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the authenticating operation by comparing temporary FTP access codes submitted by users with temporary FTP access codes stored in the database in association with those users (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 3, McDonough-Rao further teaches the method of claim 1, where: the operation of programming the web server is conducted such that the operation of redirecting each authenticated user to the FTP server is conditioned on the web server performing operations including (1) receiving the user's request to access one or more particular digital objects in the library and (2) verifying that the user is authorized to access the particular objects according to the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 4, McDonough-Rao further teaches a method for providing a data storage and delivery system comprising a web server, a file transfer protocol (FTP) server, a shared database coupled to the web server and the FTP server, and a library coupled to the FTP server, the method comprising operations of: populating the library with a number of machine readable digital objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); configuring the database to include mapping specifying which of various users are permitted to access which digital objects in the library, and system login information for each user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); programming the web server to perform operations comprising: utilizing

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the system login information in the database to authenticate users seeking access to the library (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); responsive to each time the web server receives a web-server- authenticated user's request to access one or more desired objects in the library, consulting the mapping to determine whether that user is permitted to access the desired object, and only if that user is permitted to access the desired object, performing FTP setup operations comprising: generating an FTP access code associated with the requesting user; storing the FTP access code in the database (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); transmitting the FTP access code to the requesting user; referring the requesting user to the FTP server (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); programming the FTP server to perform operations comprising: responsive to each time the FTP server receives a web-server- authenticated user's request to access one or more desired objects in the library, utilizing the requesting user's associated FTP access code stored in the database to authenticate the request and consulting the mapping to determine whether the requesting user is permitted to access the desired objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); only if the requesting user is permitted to access the desired objects, making the desired objects available to the requesting user

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(McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 5, McDonough-Rao further teaches the method of claim 4, but does not specifically teach that the web server sends an FTP URL and a login ID and password. It would have been obvious to one of ordinary skill in the art to generate a specific URL, login, and password, as this teaching is well known in the art of server access control. For example, commercial websites may send a specific URL and generate a login and password so that the user may access certain sales, for example. To employ this concept into an FTP server format is also well known in the art.

As per claim 6, McDonough-Rao further teaches the method of claim 4, where the operations of programming the web server are conducted such that: the operations further include programming the web server to communicate with users via users' respective web browsers (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the operation of the web server transmitting the FTP access code to the requesting user comprises transmitting an encrypted representation of the FTP access code to the requesting user's web browser (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 7, McDonough-Rao further teaches the method of claim 4, further comprising programming at least one of the web server and the FTP server to perform operations comprising: designating and enforcing expiration of each FTP access code (McDonough:

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column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 8, McDonough-Rao further teaches the method of claim 4, where: the operation of programming the web server is conducted such that the FTP setup operations further comprise designating an expiration event for each FTP access code (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the operation of programming the FTP server is conducted such that the operation of utilizing the FTP access code to authenticate the request further comprises determining whether that FTP access code has expired (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 9, McDonough-Rao further teaches a method for operating a digital object storage and delivery system comprising a library of stored machine readable digital objects, a shared database containing web server access codes corresponding to various users and a mapping indicating which users are authorized to access which of the stored digital objects, a file transfer protocol (FTP) server coupled to the database and the library, and a web server coupled to the database, comprising: operating the web server to perform operations including presenting at least one Internet web page providing instructions for users seeking access to digital objects in the library, authenticating users browsing the web page according to their corresponding web server access codes, generating a temporary FTP access code for each authenticated user, and redirecting each authenticated users to the FTP server (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the



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Invention”); operating the FTP server to perform operations comprising authenticating said redirected users by utilizing the temporary FTP access codes and, upon successful authentication, making digital objects from the library available to the users as authorized by the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”).

As per claim 10, McDonough-Rao further teaches the method of claim 9, where: the operations performed by the web server further comprise transmitting each said generated temporary FTP code to its user and to the database for storage in association with that user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the authenticating operation performed by the FTP server further comprises comparing temporary FTP access codes submitted by users with temporary FTP access codes stored in the database in association with those users (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 11, McDonough-Rao further teaches the method of claim 9, where: the operation of the web server redirecting each authenticated user to the FTP server is conditioned on the web server performing operations including (1) receiving the user's request to access one or more particular digital objects in the library and (2) verifying that the user is authorized to access the particular objects according to the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 12, McDonough-Rao further teaches a method for selectively delivering stored data utilizing a data storage and delivery system comprising a library populated with a number of machine readable digital objects, a web server, a file transfer protocol (FTP) server coupled to the library, a shared database coupled to the web server and the FTP server containing mapping specifying which of various users are permitted to access which digital objects in the library and also containing system login information for each user, the method comprising operations of: the web server utilizing the system login information in the database to authenticate users seeking access to the library (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); responsive to each time the web server receives a web-server-authenticated user's request to access one or more desired objects in the library, the web server consulting the mapping to determine whether that user is permitted to access the desired object, and only if that user is permitted to access the desired object, the web server performing FTP setup operations comprising: generating an FTP access code associated with the requesting user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); storing the FTP access code in the database; transmitting the temporary FTP access code to the requesting user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); referring the requesting user to the FTP server; responsive to each time the FTP

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server receives a web-server-authenticated user's request to access one or more desired objects in the library, the FTP server utilizing the requesting user's associated FTP access code stored in the database to authenticate the request and consulting the mapping to determine whether the requesting user is permitted to access the desired objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); only if the requesting user is permitted to access the desired objects, making the desired objects available to the requesting user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”).

As per claim 13, McDonough-Rao further teaches the method of claim 12, the operation of transmitting the FTP access code to the requesting user comprising: the web server sending the requesting user an FTP uniform resource locator (URL) including an encrypted login ID and an encrypted password and an address of the FTP server (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 14, McDonough-Rao further teaches the method of claim 12, where: the web server communicates with users via users' respective web browsers (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the operation of the web server transmitting the FTP access code to the requesting user comprises transmitting an encrypted representation of the FTP access code to the

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requesting user's web browser (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 15, McDonough-Rao further teaches the method of claim 12, the operations further comprising: designating and enforcing expiration of each FTP access code (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 16, McDonough-Rao further teaches the method of claim 12, where: the FTP setup operations further comprise designating an expiration event for each FTP access code (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the operations of the FTP server utilizing the FTP access code to authenticate the request further comprises determining whether that FTP access code has expired (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 17, McDonough-Rao further teaches an electronic software delivery and management (ESDM) system, comprising: a library of stored machine readable digital objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); a shared database containing web server access codes corresponding to various users and a mapping indicating which users are authorized to access which of the stored digital objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the

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Invention”); a file transfer protocol (FTP) server coupled to the database and the library (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); a web server coupled to the database and programmed to perform operations including presenting at least one Internet web page providing instructions for users seeking access to digital objects in the library, authenticating said users browsing the web page according to their corresponding web server access codes, generating a temporary FTP access code for each authenticated user, and redirecting each authenticated user to the FTP server; the FTP server programmed to perform operations comprising authenticating said redirected users by utilizing the temporary FTP access codes and, upon successful authentication, making digital objects from the library available to the users as authorized by the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”).

As per claim 18, McDonough-Rao further teaches the system of claim 17, where: the web server is further programmed to perform operations including transmitting each said generated temporary FTP code to its user and to the database for storage in association with that user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the FTP server is programmed such that the authenticating operation further comprises comparing temporary FTP access codes submitted by users with temporary FTP access codes stored in the database in association with those users

(McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 19, McDonough-Rao further teaches the system of claim 17, where: the operation of the web server redirecting each authenticated user to the FTP server is conditioned on the web server performing operations including (1) receiving the user's request to access one or more particular digital objects in the library and (2) verifying that the user is authorized to access the particular objects according to the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 20, McDonough-Rao further teaches an electronic software delivery and management (ESDM) system, comprising: library means for storing machine readable digital objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); shared database means for containing web server access codes corresponding to various users and a mapping indicating which of various users are authorized to access which of the stored digital objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); web server means, coupled to the database means, for performing operations including presenting at least one Internet web page providing instructions for users seeking access to digital objects in the library means, authenticating users browsing the web page according to their corresponding web server access codes, generating a temporary file

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redirecting authenticated users to an FTP server means (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); FTP server means, coupled to the database means and the library means, for performing operations comprising authenticating said redirected users by utilizing the temporary FTP access codes and, upon successful authentication, making digital objects from the library means available to the users as authorized by the mapping (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”).

As per claim 21, McDonough-Rao further teaches a data storage and delivery system for selectively delivering stored data, comprising: a library of stored machine readable digital objects; a web server; a file transfer protocol (FTP) server coupled to the library (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); a shared database coupled to the web server and the FTP server, containing mapping specifying which of various users are permitted to access which digital objects in the library and also containing system login information for each user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); the web server being programmed to perform operations comprising: utilizing the system login information in the database to authenticate

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users seeking access to the library (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); responsive to each time the web server receives a web-server- authenticated user's request to access one or more desired objects in the library, consulting the mapping to determine whether that user is permitted to access the desired object, and only if that user is permitted to access the desired object, performing FTP setup operations comprising: generating an FTP access code associated with the requesting user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); storing the FTP access code in the database (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); transmitting the FTP access code to the requesting user; referring the requesting user to the FTP server (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); the FTP server being programmed to perform operations comprising: responsive to each time the FTP server receives a web-server- authenticated user's request to access one or more desired objects in the library, utilizing the requesting user's associated FTP access code stored in the database to authenticate the request and consulting the mapping to determine whether the requesting user is permitted to access the desired objects (McDonough: column 1, lines 42-67; column 2, line 58 – column 3,



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line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the "Description of Related Art"; paragraph 1 of the "Summary of the Invention"); only if the requesting user is permitted to access the desired objects, making the desired objects available to the requesting user (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the "Description of Related Art"; paragraph 1 of the "Summary of the Invention").

As per claim 22, McDonough-Rao further teaches the system of claim 21, the web server programmed such that the operation of transmitting the FTP access code to the requesting user comprises: the web server sending the requesting user an FTP uniform resource locator (URL) including an encrypted login ID and an encrypted password and an address of the FTP server (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the "Description of Related Art"; paragraph 1 of the "Summary of the Invention").

As per claim 23, McDonough-Rao further teaches the system of claim 21, where: the web server is programmed to communicate with users via users' respective web browsers (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46); the web server is programmed such that the operation of transmitting the FTP access code to the requesting user comprises transmitting an encrypted representation of the FTP access code to the requesting user's web browser (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 24, McDonough-Rao further teaches the system of claim 21, the FTP server further programmed to perform operations comprising: enforcing a designated expiration for each FTP access code (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46).

As per claim 25, McDonough-Rao further teaches the system of claim 21, where: the web server is programmed such that the FTP setup operations further comprise designating an expiration event for each FTP access code (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”); the FTP server is programmed such that the operation of utilizing the FTP access code to authenticate the request further comprises determining whether that FTP access code has expired (McDonough: column 1, lines 42-67; column 2, line 58 – column 3, line 12; column 3, line 39 - column 4, line 64; column 5 lines 40-46; Rao: paragraph 1 of the “Description of Related Art”; paragraph 1 of the “Summary of the Invention”).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is (571)272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571/272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Tanim Hossain  
Patent Examiner  
Art Unit 2145

/Jason D Cardone/  
Supervisory Patent Examiner, Art Unit 2145